

In the Specification:

Please amend the specification pages 6 and 7 as follows. ~~Strikethrough~~ is deleted text. Underlined is added text.

It will be apparent that the formations 41-48 and 51-58 may be of any like shape and like varying radius, as suggested by comparison of radius r1 and radius r2 in figures 6 and 7. These formations could be, for example, lands and grooves of square, rectangular or semicircular cross-sectional shape.

Moreover, any number of these shapes can be provided on the nose 50 and in the recess 36. If more of the shapes are provided, more bottom tumbler numbers can be utilized. Here, as shown in Figures 6-9, eight flats are provided in an octagonal array. This octagonal array provides permits a total of five differently arrayed or formed tumblers to use or access all forty of the indicia hackmarks or numbers appearing on the knob dial, as shown in the following table. ~~For example: If bottom tumbler 21 is configured with the lock and dial member 13 so as to provide configuration range number 3, the first number in the opening combination can have any one of the eight numbers shown on the adjacent line.~~

Bottom Tumbler Number	"FLAT" SURFACE SHOWN IN FIGURE 7 USED TO CREATE SPECIFIC BOTTOM TUMBLER NUMBER WITH DIAL/KNOB							
	54	55	56	57	58	51	52	53
1	36	31	26	21	16	11	6	1
2	35	30	25	20	15	10	5	40
3	34	29	24	19	14	9	4	39
4	33	28	23	18	13	8	3	38
5	32	27	22	17	12	7	2	37

As the drawings suggest, a predetermined number of indicia (here, forty) is equal to or less than the finite number of angularly spaced apart positions of the elements (here, eight). Thus, by providing only five different bottom tumblers, each tumbler having eight flats, all forty of the dial indicia can be utilized. Thus, in accordance with the invention, the number of dial and knob elements and the number of bottom tumbler elements which must be manufactured and kept in inventory is greatly reduced.

An alternate bottom tumbler design is shown in figure 11 and 12. Here four flats 61-64 are provided, and thus ten tumblers would be required to utilize the full array of 40 of the indicia hackmarks, in accordance with $t = \frac{h}{f}$ where:

t is the number of tumblers required to be manufactured to use all the indicia hackmarks;

h is the number of hackmarks; and

f is the number of flats provided on the tumbler.

Another tumbler design is shown in figures 13 and 14. Here, forty radially varying teeth 91 ~~71~~ are provided on the nose 50 of the tumbler 21 ~~71~~; and a mating forty teeth are provided on the recess of the knob and dial element 13. If this embodiment is employed, only one tumbler 21 need be manufactured.

Yet another tumbler design is shown in figures 15 and 16. A pin 81 could be provided on the tumbler 21 ~~71~~, and pin recesses could be provided at a number of places -- e.g., four or eight or ten -- on the knob and dial element 13. Again, in accordance with the invention, the number of knob and dial elements 13 and the number of bottom tumbler elements which must be manufactured and kept in inventory is greatly reduced.
